GCOS Lead Center Activities

September 1, 2005 – September 31, 2006

GCOS Lead Center, NCDC Activities

September 1, 2005 – September 31, 2006

I. Monitor Station Activity and Established Contact -137 stations in 50 countries

A. Email – Done
B. Fax contact – still waiting for responses.
C. Telephone - Language barrier has delayed contact.

II. Identify Databases that contain GCOS information

A. GHCN – Global Historic Climate Network
B. GSOD – Global Summary of Day
C. ISH/ISD – Integrated Surface Hourly / Integrated Surface Data
D. GCOS / GSN - Global Climate Observation System / Global Surface Network.
E. GUAN – Global Upper Air Network
F. IGRA – Integrated Global Radiosonde Archive

III. Designed and Developed some Inventories to consolidate information:

A. Built a composite station list
B. Built / Obtained Station Inventories– composite detailed station inventories (month/element) for several databases (GHCN, GSOD, IGRA, ISH/ISD)
C. Developing a Microsoft Access Application with
   1. Several Standard Queries – In progress
   2. Create Forms for Station Inventory Retrieval – Planned
   3. Create Reports to Display Inventory information - Planned

GCOS Lead Center, NCDC Activities

Since August 1, 2005 (Continued)

III. Attended 1st Annual Lead Center Coordination/Training Meeting in Geneva, Switzerland to:

A. Establish initial geographical areas of responsibility for each Lead Center.
   1. Asia East – Mr. Hiroshi Nakamigawa, Japanese Met. Agency, (Eastern Asian countries, Philippines)
   2. Asia West – Ms. Mina Jabbari, Iranian Met. Service (WesternAsian Block countries and Middle East)
   3. North Africa – Rashid Sabbari, Moroccan Met. Service (North African countries)
   4. Pacific Islands – Phil Alford, Australian Bureau of Meteorology (all pacific Islands excluding Philippines and Hawaiian Islands.)
   5. North and South America, Eastern Europe, Antarctica, rest of the World – Larry Nicodemus

B. Agreed that additional Lead Centers were needed for:
   1. Central and Southern Africa
   2. South America – Chilean Met Service.
   3. Western Europe –Western European Block countries In progress
   4. Antarctica –UK Met Office.

C. Defined guide lines for each Lead Center's activities.

D. Develop a set of recommendations designed to assist the Lead Centers in accomplishing their objectives.

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IV. Future Activities:

A. Continue to monitor station data reporting activity and assist in improving station reporting.

B. Maintain / update useful reports for Lead Center use.

C. Consult with and assist other Lead Center personnel in obtaining other useful reports.

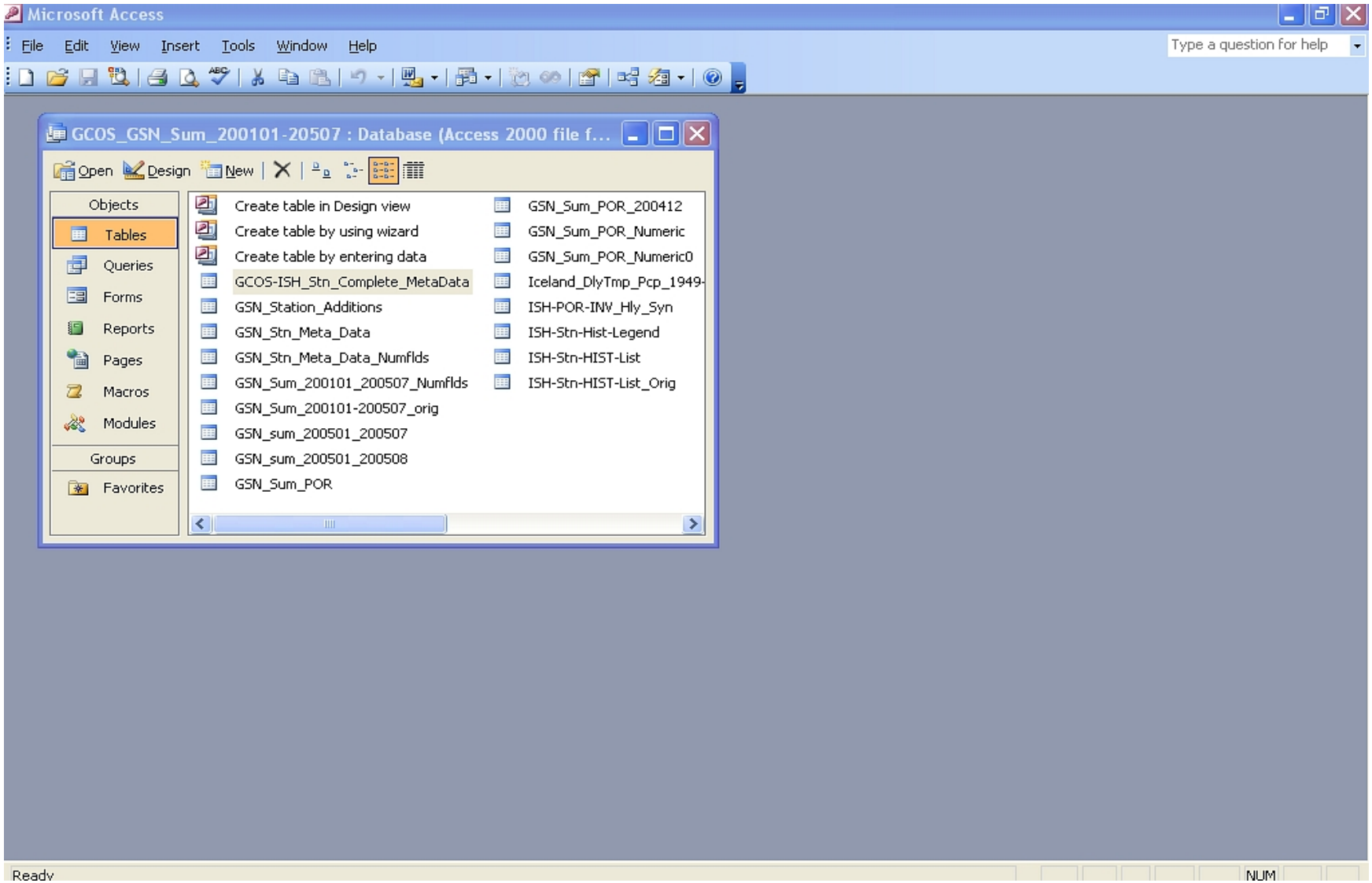
D. Attend next annual Lead Center coordination/training meeting.

E. Coordinate and/or implement any requested actions needed to make Lead Center activities easier and better

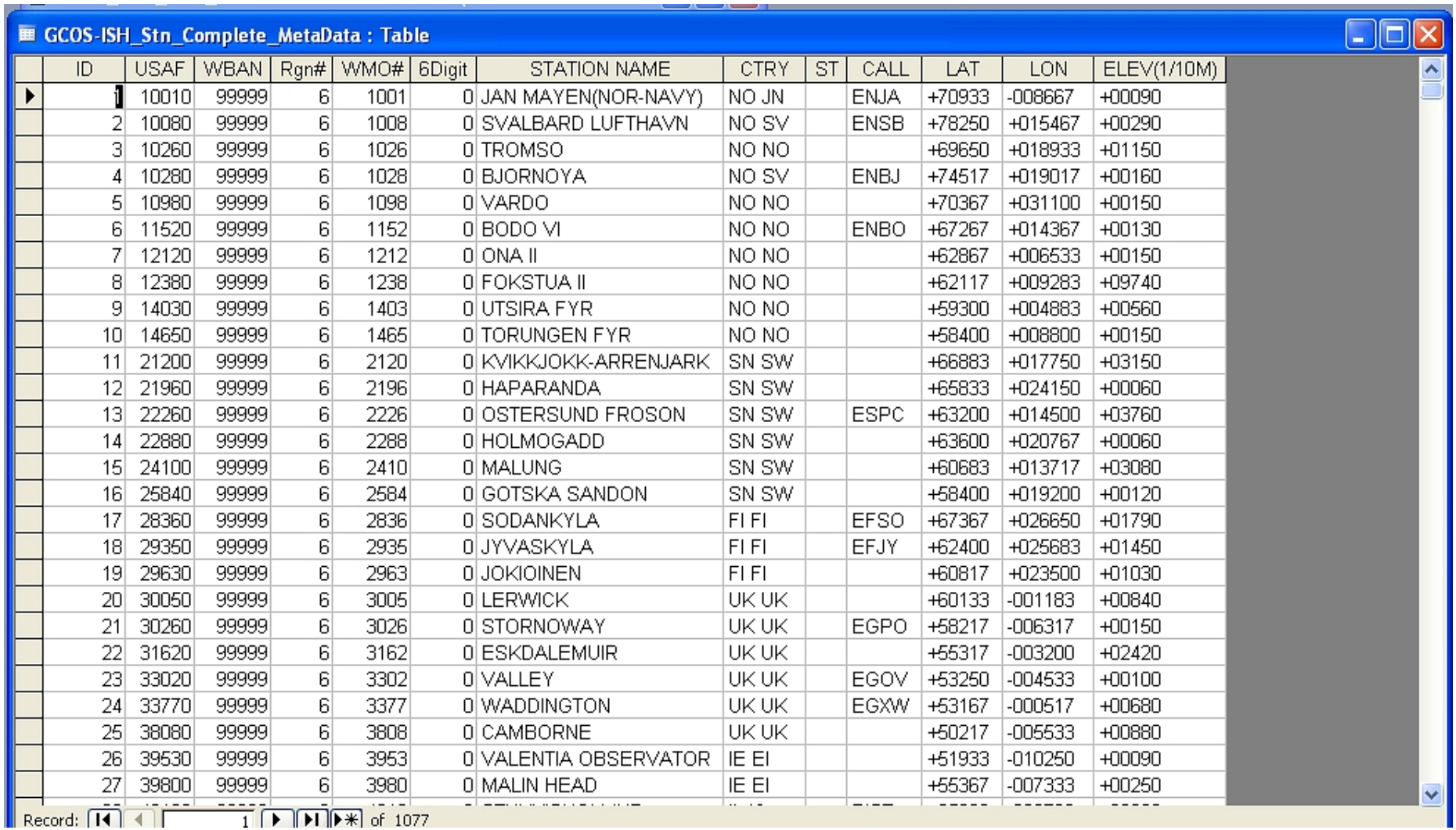
Specific Geographic Areas of Responsibility

- **RA I northern parts (northern Africa) - Moroccan Meteorological Service:**
  Algeria, Egypt, Libya, Morocco, Mauritania, Sudan, Tunisia, Benin, Burkina Faso, Cape Verde, Cote d'Ivoire, Gambia, Guiana, Guiana Bissau, Liberia, Mali, Niger, Nigeria, Senegal, Sierra Leone, Togo, Cameroon, Equatorial Guiana, Central African Republic, Republic of Congo, Gabon, Sao Tomé-et-Príncipe, Chad, Madagascar
- **RA I southern parts (central and southern Africa – Southern African Development Community [SADC] countries)**
- **- contact person/NMHS to be decided** (South Africa?)
- **RA II eastern parts (GSN data only) - Japanese Meteorological Agency:**
  China, Mongolia, Japan, Malaysia, Philippines, Singapore, Republic of Korea, Myanmar, Laos, Vietnam, Cambodia, Brunei
- **RA II western parts -Iranian Meteorological Service:**
  Afganistan, Armenia, Azerbaijan, Bahrain, India, Iran, Jordan, Kazakhstan, Kyrgyzstan, Maldives, Nepal, Oman, Pakistan, Qatar, Russia, Saudi Arabia, Sri Lanka, Syria, Tajikistan, Turkey, United Arab Emirates, Yemen
- **RA III (South America) - contact person/NMHS to be decided** (Chile?)
- **RA IV (North America) plus Hawaiian Islands -US National Climatic Data Centre**
- **RA V (Southwest Pacific, Australia, New Zealand, PNG, Indonesia) less Malaysia, the Philippines, Singapore: Australian Bureau of Meteorology**
- **RA VI (Europe) - contact person/NMHS to be decided** (France?)
- **Antarctica - contact person/NMHS to be decided** (possibly representatives from Chile or British Antarctic Survey, covering Antarctica).

Microsoft Access Database Tables



Microsoft Access Station Metadata Table



GCOS-ISH_Stn_Complete_MetaData : Table

ID	USAF	WBAN	Rgn#	WMO#	6Digit	STATION NAME	CTRY	ST	CALL	LAT	LON	ELEV(1/10M)
1	10010	99999	6	1001	0	JAN MAYEN(NOR-NAVY)	NO JN		ENJA	+70933	-008667	+00090
2	10080	99999	6	1008	0	SVALBARD LUFTHAVN	NO SV		ENSB	+78250	+015467	+00290
3	10260	99999	6	1026	0	TROMSO	NO NO			+69650	+018933	+01150
4	10280	99999	6	1028	0	BJORNOYA	NO SV		ENBJ	+74517	+019017	+00160
5	10980	99999	6	1098	0	VARDO	NO NO			+70367	+031100	+00150
6	11520	99999	6	1152	0	BODO VI	NO NO		ENBO	+67267	+014367	+00130
7	12120	99999	6	1212	0	ONA II	NO NO			+62867	+006533	+00150
8	12380	99999	6	1238	0	FOKSTUA II	NO NO			+62117	+009283	+09740
9	14030	99999	6	1403	0	UTSIRA FYR	NO NO			+59300	+004883	+00560
10	14650	99999	6	1465	0	TORUNGEN FYR	NO NO			+58400	+008800	+00150
11	21200	99999	6	2120	0	KVIKKJOKK-ARRENJARK	SN SW			+66883	+017750	+03150
12	21960	99999	6	2196	0	HAPARANDA	SN SW			+65833	+024150	+00060
13	22260	99999	6	2226	0	OSTERSUND FROSON	SN SW		ESPC	+63200	+014500	+03760
14	22880	99999	6	2288	0	HOLMOGADD	SN SW			+63600	+020767	+00060
15	24100	99999	6	2410	0	MALUNG	SN SW			+60683	+013717	+03080
16	25840	99999	6	2584	0	GOTSKA SANDON	SN SW			+58400	+019200	+00120
17	28360	99999	6	2836	0	SODANKYLA	FI FI		EFSO	+67367	+026650	+01790
18	29350	99999	6	2935	0	JYVASKYLA	FI FI		EFJY	+62400	+025683	+01450
19	29630	99999	6	2963	0	JOKIOINEN	FI FI			+60817	+023500	+01030
20	30050	99999	6	3005	0	LERWICK	UK UK			+60133	-001183	+00840
21	30260	99999	6	3026	0	STORNOWAY	UK UK		EGPO	+58217	-006317	+00150
22	31620	99999	6	3162	0	ESKDALEMUIR	UK UK			+55317	-003200	+02420
23	33020	99999	6	3302	0	VALLEY	UK UK		EGOV	+53250	-004533	+00100
24	33770	99999	6	3377	0	WADDINGTON	UK UK		EGXW	+53167	-000517	+00680
25	38080	99999	6	3808	0	CAMBORNE	UK UK			+50217	-005533	+00880
26	39530	99999	6	3953	0	VALENTIA OBSERVATOR	IE EI			+51933	-010250	+00090
27	39800	99999	6	3980	0	MALIN HEAD	IE EI			+55367	-007333	+00250

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Microsoft Access Database Inventory Table

GSN_Sum_200101_200507_Numflds : Table

ID	WMO	Year	HLY_Jan	SYN_Jan	M_Jan	HLY_Feb	SYN_Feb	M_Feb	HLY_Mar	SYN_Mar	M_Mar	HLY_Apr	SYN_Apr	M_Apr	HLY_May
55	1001	2001	241	240	C	221	221	C	247	246	C	239	238	C	240
56	1001	2002	246	246	C	224	224	C	246	246	C	239	239	C	248
57	1001	2003	732	732	C	616	616	C	725	725	C	708	708	C	708
58	1001	2004	721	721	C	671	671	C	737	737	C	701	701	C	734
59	1001	2005	703	703	C	611	611	C	722	722	C	714	714	C	740
60	1008	2001	971	245	C	874	225	C	966	247	C	928	238	C	968
61	1008	2002	971	247	C	866	222	C	969	247	C	929	238	C	963
62	1008	2003	955	245	C	849	218	C	942	244	C	922	237	C	932
63	1008	2004	940	244	C	889	226	C	950	246	C	915	230	C	951
64	1008	2005	1410	700	C	1266	605	C	1430	706	C	1410	718	C	1442
65	1026	2001	93	93	-	84	84	-	91	91	-	91	91	-	94
66	1026	2002	0	0	C	0	0	C	0	0	C	0	0	C	0
67	1026	2003	217	217	C	219	219	C	247	247	C	240	240	C	239
68	1026	2004	730	730	C	672	672	C	738	738	C	701	701	C	738
69	1026	2005	697	697	C	618	618	C	722	722	C	719	719	C	739
70	1028	2001	246	246	C	227	227	C	247	247	C	237	237	C	248
71	1028	2002	248	248	C	223	223	C	247	247	C	240	240	C	247
72	1028	2003	706	706	C	614	614	C	726	726	C	702	702	C	702
73	1028	2004	727	727	C	667	667	C	737	737	C	698	698	C	733
74	1028	2005	700	700	C	612	612	C	720	720	C	716	716	C	735
75	1098	2001	247	247	C	224	224	C	246	246	C	238	238	C	248
76	1098	2002	246	246	C	221	221	C	248	248	C	238	238	C	248
77	1098	2003	239	239	C	217	217	C	244	244	C	238	238	C	239
78	1098	2004	687	687	C	671	671	C	729	729	C	702	702	C	669
79	1098	2005	690	690	C	611	611	C	720	720	C	669	669	C	731
80	1152	2001	989	246	C	893	226	C	979	245	C	956	239	C	982
81	1152	2002	987	248	C	891	224	C	985	248	C	950	237	C	984

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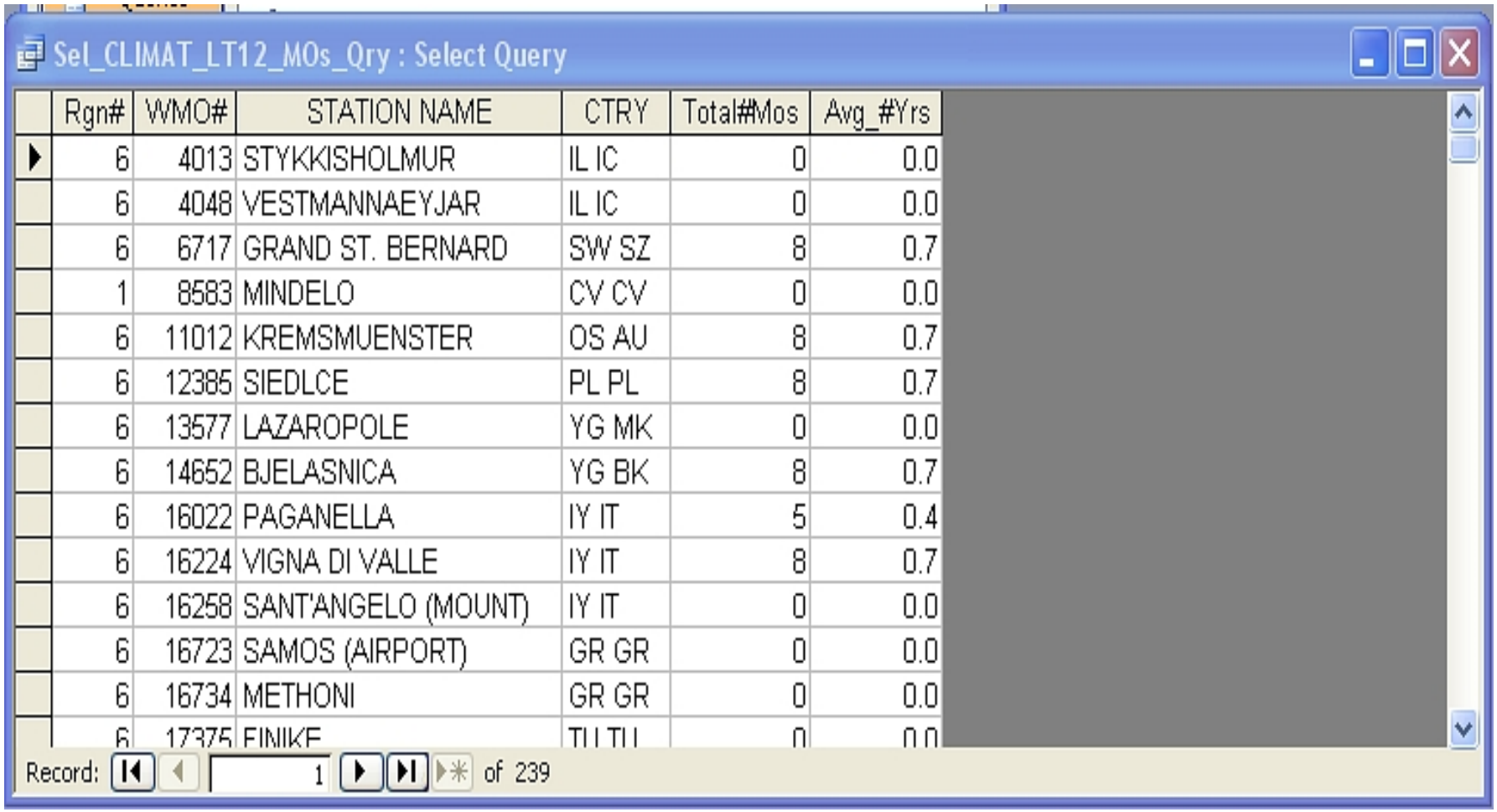
Microsoft Access Station Query Table



Rgn#	WMO#	STATION NAME	CTRY	Total#Mos	Avg_#Yrs
6	4013	STYKKISHOLMUR	IL IC	0	0.0
6	4048	VESTMANNAEYJAR	IL IC	0	0.0
6	6717	GRAND ST. BERNARD	SW SZ	8	0.7
1	8583	MINDELO	CV CV	0	0.0
6	11012	KREMSMUENSTER	OS AU	8	0.7
6	12385	SIEDLCE	PL PL	8	0.7
6	13577	LAZAROPOLE	YG MK	0	0.0
6	14652	BJELASNICA	YG BK	8	0.7
6	16022	PAGANELLA	IY IT	5	0.4
6	16224	VIGNA DI VALLE	IY IT	8	0.7
6	16258	SANT'ANGELO (MOUNT)	IY IT	0	0.0
6	16723	SAMOS (AIRPORT)	GR GR	0	0.0
6	16734	METHONI	GR GR	0	0.0
6	17375	FINIKE	TU TU	0	0.0

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